



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

N.R. Architectural Products, Inc.
4348 Westroads Drive
West Palm Beach, FL 33407

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "NRAP 2500-PO" Aluminum Projected Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. AD12-10, titled "Series NRAP 2500-PO Projected Windows (S.M.I.)", sheets 1 through 9 of 9, dated 06/13/12, with revision #1 dated 06/13/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 09-0402.23 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
7/2/13

NOA No. 12-0619.06
Expiration Date: September 02, 2014
Approval Date: July 11, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **AD12-10**, titled "Series NRAP 2500-PO Projected Windows (S.M.I.)", sheets 1 through 9 of 9, dated 06/13/12, with revision#1 dated 06/13/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of NRAP 2500-PO aluminum project-out window, specimens #1 and #3, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0242-0204-09 (F/PO)**, dated 03/02/09, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA# 09-0402.23)

C. CALCULATIONS

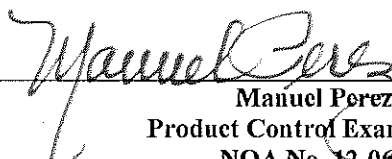
1. Anchor calculations and structural analysis, complying with FBC-2010, dated 06/04/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
3. TREMCO Part No. **TR-PS1126E** EPDM exterior glazing gasket complying with ASTM C864 Option II exceptions, ASTM D412 1600 PSI, D395B 22 HRS 158°F.


Manuel Perez, P.E.
Product Control Examiner
NOA No. **12-0619.06**
Expiration Date: September 02, 2014
Approval Date: July 11, 2013

N.R. Architectural Products, Inc.


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, dated June 04, 2012, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest, dated June 04, 2012, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
3. Laboratory compliance letter for Test Report No. **HTL 0242-0204-09 (F/PO)**, issued by Hurricane Test Laboratory, Inc., dated March 02, 2009, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA# 09-0402.23)
4. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated April 24, 2012, signed and sealed by Yiping Wang, P.E.

G. OTHER

1. Notice of Acceptance No. **09-0402.23**, issued to NR Architectural Products for their Series "NRAP 2500-PO" Aluminum Projected Window – S.M.I., approved on 09/02/09 and expiring on 09/02/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0619:06
Expiration Date: September 02, 2014
Approval Date: July 11, 2013

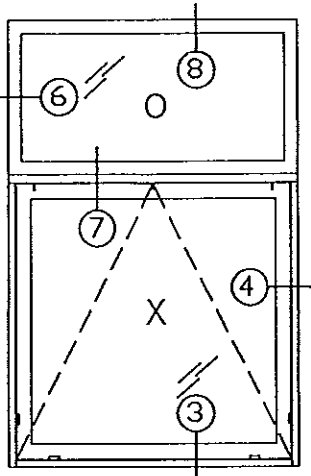
GENERAL NOTES: FLORIDA BUILDING CODE 2010

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS A PROJECT-OUT TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. INSTALLATION BELOW 30 FEET ELEVATION IT WILL REQUIRE APPROVED HURRICANE PROTECTION DEVICES.
- 3- POSTING:
- "NR ARCHITECTURAL PRODUCTS, INC.
WEST PALM BEACH - FLORIDA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.
- 5- MATERIAL: GLAZING TO BE IMPACT LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
- 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
- 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE.
- 10- WOOD BUCKS (1x OR 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

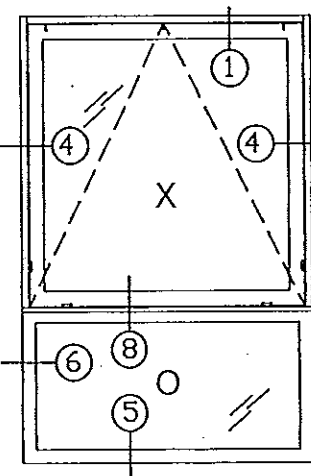
FOR ALLOWABLE SIZES AND PRESSURES REFER TO:
SHEETS 2, 3 AND 4

PRODUCT NOT TO BE INSTALLED BELOW 30 FEET ELEVATION
WITHOUT HURRICANE PROTECTION DEVICES

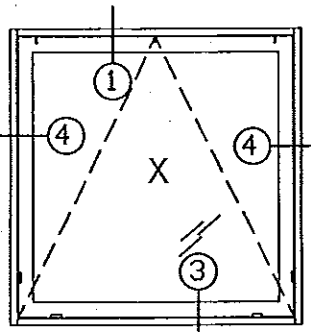
TYPICAL ELEVATIONS



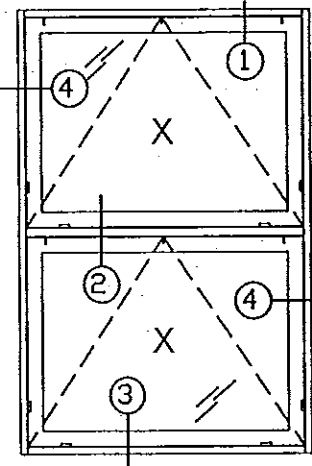
(OX) COMBINATION
FIXED / PROJECT-OUT
SEE SHEET 3 FOR RATING



(XO) COMBINATION
PROJECT-OUT / FIXED
SEE SHEET 3 FOR RATING



(X) SINGLE
PROJECT-OUT WINDOW
SEE SHEET 2 FOR RATING



(XX) COMBINATION
PROJECT-OUT / PROJECT-OUT
SEE SHEET 4 FOR RATING

INDEX:

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5 of 9	TYPICAL DETAILS
6 of 9	ANCHORAGE LAY-OUT WITH STRAPS
7 of 9	ANCHORAGE LAY-OUT WITH SHEAR CLIP
8 of 9	WINDOW COMPONENTS AND BILL OF MATERIAL
9 of 9	HARDWARE SCHEDULE, CORNER ASSEMBLY, GLAZING DETAILS & WEEP HOLES

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0619-06
Expiration Date Sept 2, 2014
By *Yiping Wang*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

Yiping Wang

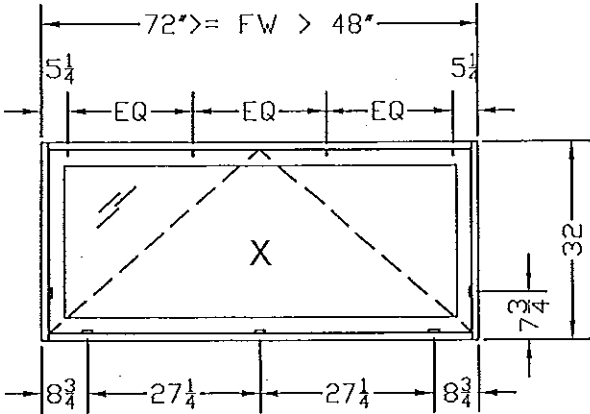
REVISIONS	
NO.	DATE
1	06/13/12
DESCRIPTION	
UPDATE TO 2010 FBC	
MCY ENGINEERING, INC. GLAZING CONSULTANTS	
8501 SW 124 AVE. STE. 205A MIAMI, FL 33183 P: 305.271.0117 F: 786.573.5063 www.MCYEngineering.com MCY.Engineering@Att.net	
NR ARCHITECTURAL PRODUCTS	
4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844-1121 F: (561) 844-6131	
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)	
DATE	06-13-12
SCALE	AS NOTED
DRAWN	A.F.
PROJECT	MCY 12-047
DRAWING NO. AD12-10	
SHEET 1 of 9	

JUN 13 2012

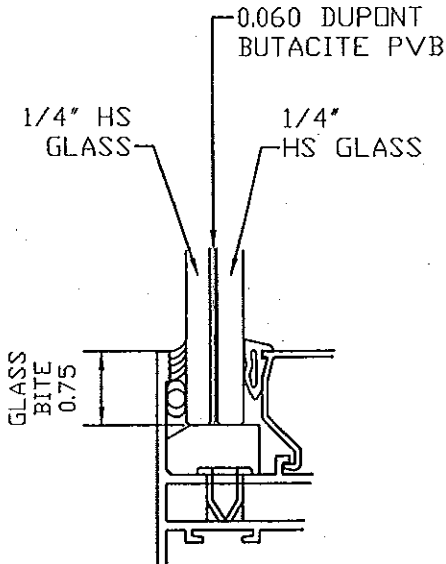
TABLE 1
DESIGNED RATING FOR
SINGLE PROJECT-OUT UNITS
(PSF)

MAX. FRAME		GLASS TYPE G3/G4	
FW	FH	EXT (+)	INT (-)
32	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	120.0	120.0
	52	93.7	93.7
	56	65.6	65.6
	64	35.1	35.1
36	72	20.5	20.5
	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	120.0	120.0
	52	87.0	87.0
	56	60.5	60.5
40	64	32.1	32.1
	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	120.0	120.0
	52	82.4	82.4
	56	56.9	56.9
44	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	120.0	120.0
	52	79.3	79.3
48	32	120.0	120.0
	36	120.0	120.0
	40	120.0	120.0
	44	120.0	120.0
	48	120.0	120.0
	52	120.0	120.0
52	32	120.0	120.0
	36	112.9	112.9
	40	108.0	108.0
	44	104.7	104.7
56	32	108.0	108.0
	36	101.1	101.1
	40	96.0	96.0
	32	90.0	90.0
64	36	83.5	83.5
	32	77.1	77.1

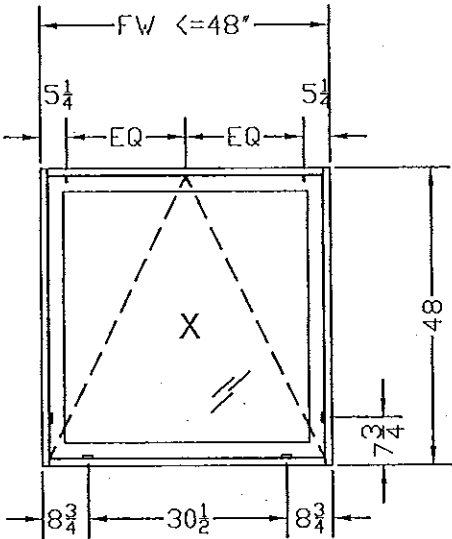
FW- FRAME WIDTH IN INCHES
FH- FRAME HEIGHT IN INCHES
PRESSURES IN PSF



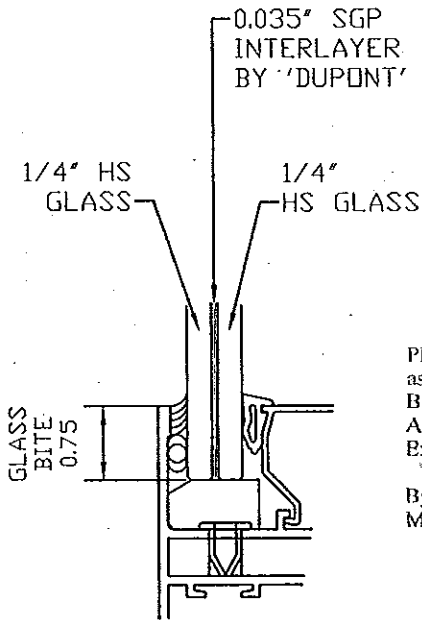
UNITS WITH WIDTH GREATER
THAN 48" WILL REQUIRE:
3 SILL LOCKS AND 4 HEADER SNUBBERS



GLASS TYPE G3
9/16" LAMINATED



UNITS WITH WIDTH LESS OR EQUAL
THAN 48" WILL REQUIRE:
2 SILL LOCKS AND 3 HEADER SNUBBERS



GLASS TYPE G4
9/16" LAMINATED

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0619-06
Expiration Date Sept 2, 2014
By *Manuel*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

REVISIONS

NO	DATE	DESCRIPTION
1	08/13/12	UPDATE TO 2010 FBC

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A

MIAMI, FL 33183

www.MCYEngineering.com

P: 305.271.0117

F: 786.573.5063

MCY.Engineering@Att.net

SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)

NR ARCHITECTURAL PRODUCTS

4348 WESTROADS DRIVE

WEST PALM BEACH, FL 33407

P: (561) 844-1121 F: (561) 844-6131

DATE	08-13-12
SCALE	AS NOTED
DRAWN	A.P.
PROJECT	MCY 12-047

DRAWING NO.

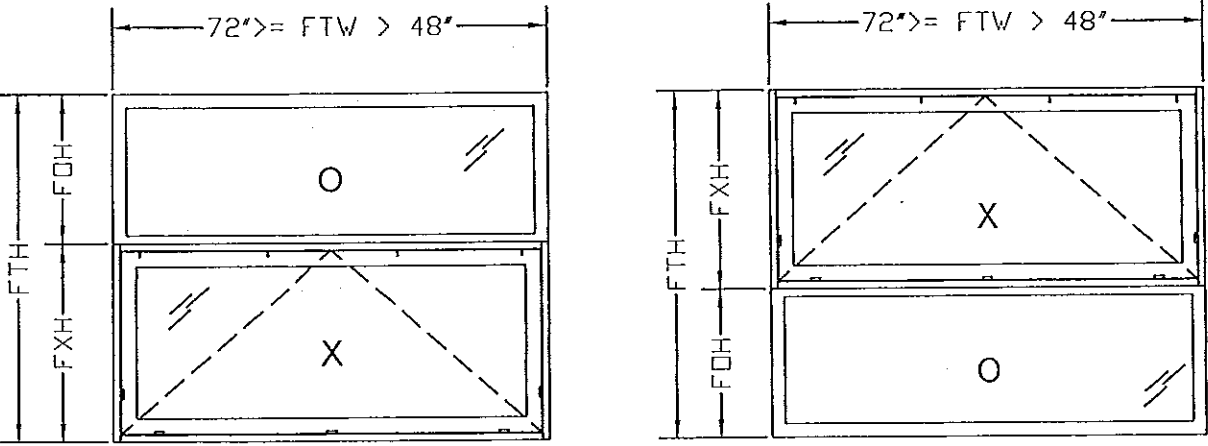
AD12-10

SHEET 2 of 9

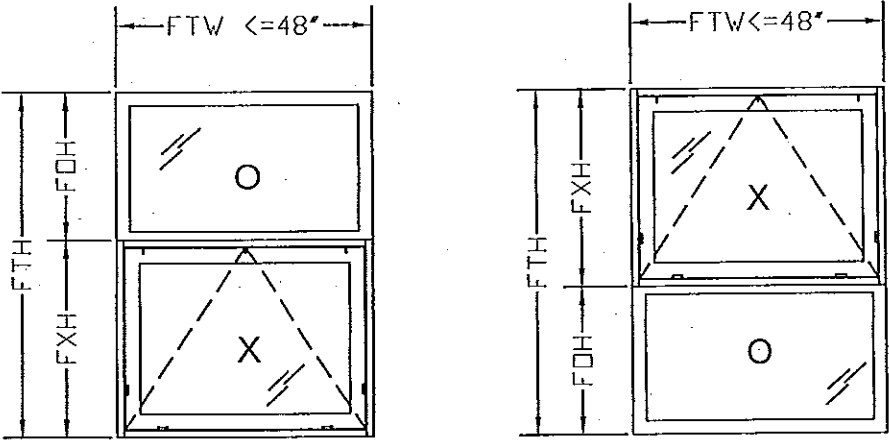
TABLE 2
DESIGNED RATING FOR COMBINATION
PROJECT-OUT AND FIXED UNITS (PSF)

MAXIMUM FRAME DIMENSIONS				GLASS TYPE G3/G4	
FTW	FXH	FDH	FTH	EXT (+)	INT (-)
32	32	43.000	75.000	120.0	120.0
	36	43.000	79.000	120.0	120.0
	40	43.000	83.000	120.0	120.0
	44	43.000	87.000	120.0	120.0
	48	43.000	91.000	120.0	120.0
	52	43.000	95.000	93.7	93.7
	56	43.000	99.000	65.6	65.6
	64	43.000	107.000	35.1	35.1
36	72	43.000	115.000	20.5	20.5
	32	38.125	70.125	120.0	120.0
	36	38.125	74.125	120.0	120.0
	40	38.125	78.125	120.0	120.0
	44	38.125	82.125	120.0	120.0
	48	38.125	86.125	120.0	120.0
	52	38.125	90.125	87.0	87.0
	56	38.125	94.125	60.5	60.5
40	64	38.125	102.125	32.1	32.1
	32	34.375	66.375	120.0	120.0
	36	34.375	70.375	120.0	120.0
	40	34.375	74.375	120.0	120.0
	44	34.375	78.375	120.0	120.0
	48	34.375	82.375	120.0	120.0
	52	34.375	86.375	82.4	82.4
	56	34.375	90.375	56.9	56.9
44	64	31.250	63.250	120.0	120.0
	36	31.250	67.250	120.0	120.0
	40	31.250	71.250	120.0	120.0
	44	31.250	75.250	120.0	120.0
	48	31.250	79.250	120.0	120.0
	52	31.250	83.250	79.3	79.3
48	32	28.625	60.625	120.0	120.0
	36	28.625	64.625	120.0	120.0
	40	28.625	68.625	120.0	120.0
	44	28.625	72.625	120.0	120.0
	48	28.625	76.625	120.0	120.0
52	32	26.375	58.375	94.5	94.5
	36	26.375	62.375	90.8	90.8
	40	26.375	66.375	88.0	88.0
	44	26.375	70.375	86.1	86.1
56	32	24.500	56.500	70.9	70.9
	36	24.500	60.500	67.7	67.7
	40	24.500	64.500	65.3	65.3
64	32	21.500	53.500	42.6	42.6
	36	21.500	57.500	40.4	40.4
72	32	19.125	51.125	27.3	27.3

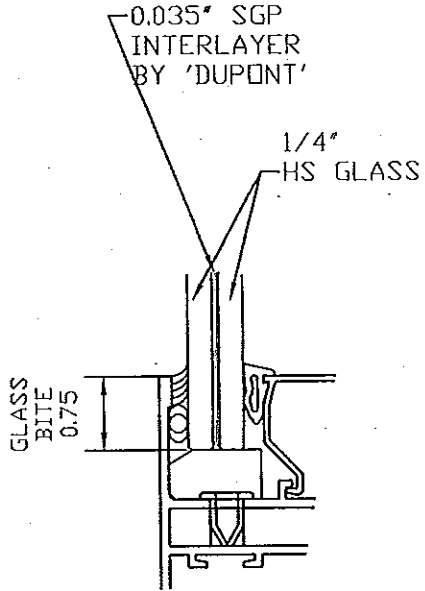
FTW- MAXIMUM FRAME TOTAL WIDTH IN INCHES
FXH- MAXIMUM OPERABLE FRAME HEIGHT IN INCHES
FDH- MAXIMUM FIXED FRAME HEIGHT IN INCHES
FTH- MAXIMUM FRAME TOTAL HEIGHT IN INCHES
PRESSURES IN PSF



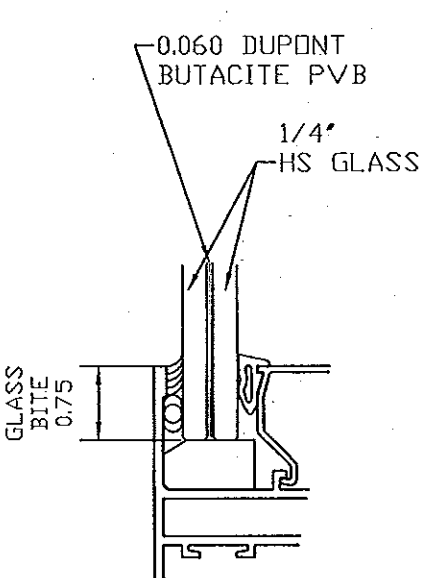
UNITS WITH FRAME WIDTH GREATER THAN 48" WILL REQUIRE:
3 SILL LOCKS AND 4 HEADER SNUBBERS
SEE SINGLE WINDOW FOR HARDWARE LOCATION



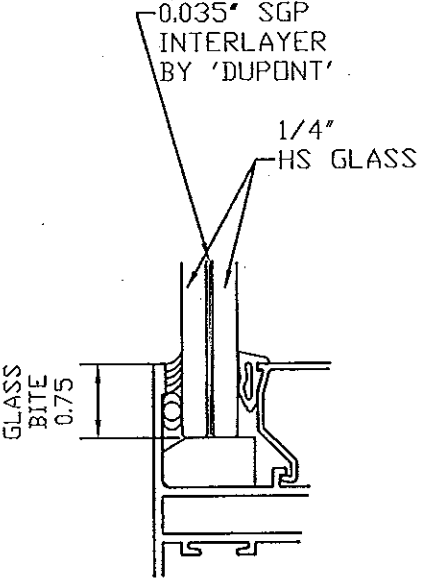
UNITS WITH FRAME WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE:
2 SILL LOCKS AND 3 HEADER SNUBBERS
SEE SINGLE WINDOW FOR HARDWARE LOCATION



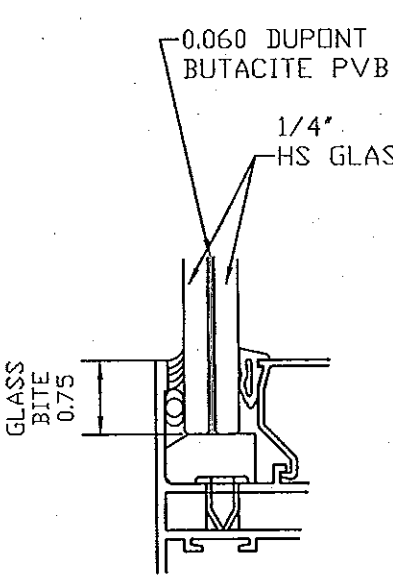
OPERABLE GLASS
TYPE G4
9/16" LAMINATED



FIXED GLASS
TYPE G3
9/16" LAMINATED



FIXED GLASS
TYPE G4
9/16" LAMINATED



OPERABLE GLASS
TYPE G3
9/16" LAMINATED

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0619-06
Expiration Date Sept. 2, 2014
By *[Signature]*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677
[Signature]

REVISIONS
NO. DATE DESCRIPTION
1 06/13/12 UPDATE TO 2010 FBC

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A
MIAMI, FL 33183
P: 305.271.0117
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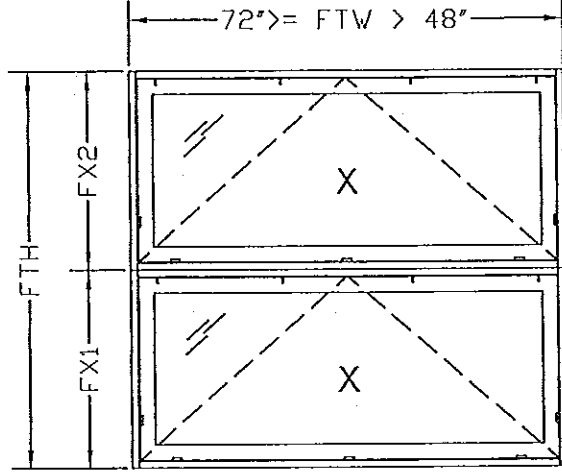
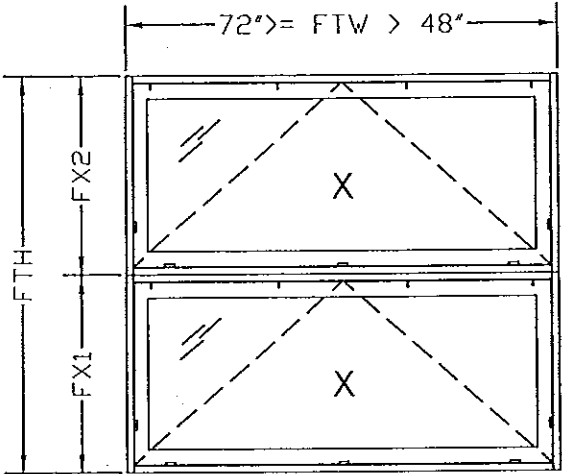
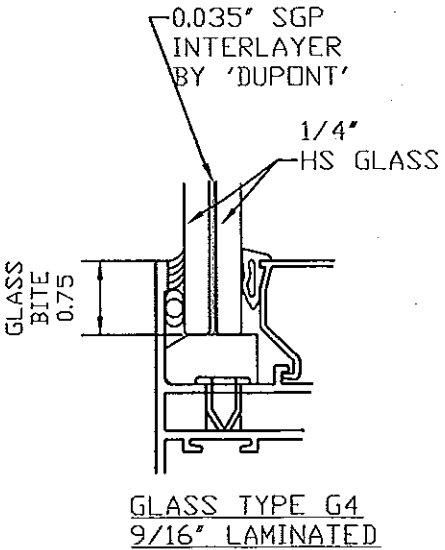
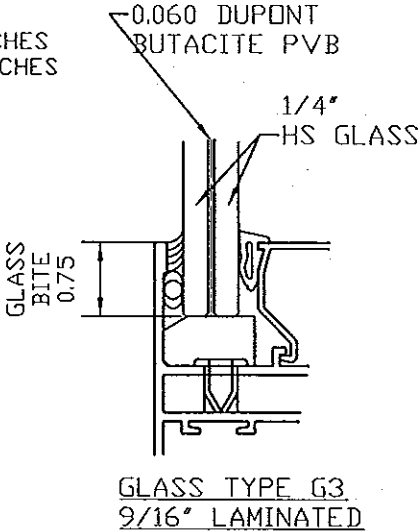
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)
NR ARCHITECTURAL PRODUCTS
4948 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844-1121 F: (561) 844-6131

DATE 06-13-12
SCALE AS NOTED
DRAWN A.P.
PROJECT MCY 12-047
DRAWING NO. AD12-10
SHEET 3 of 9

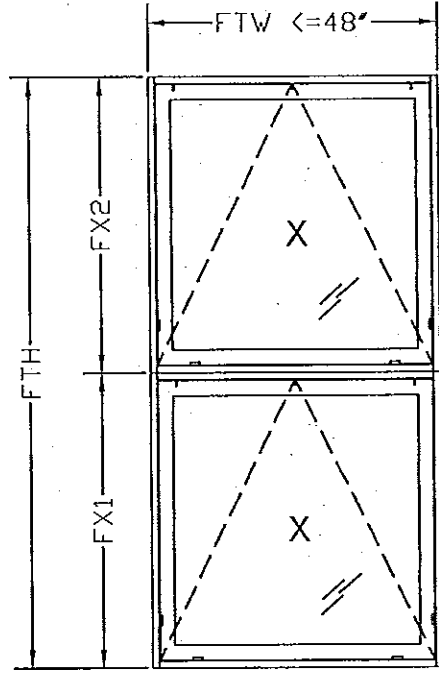
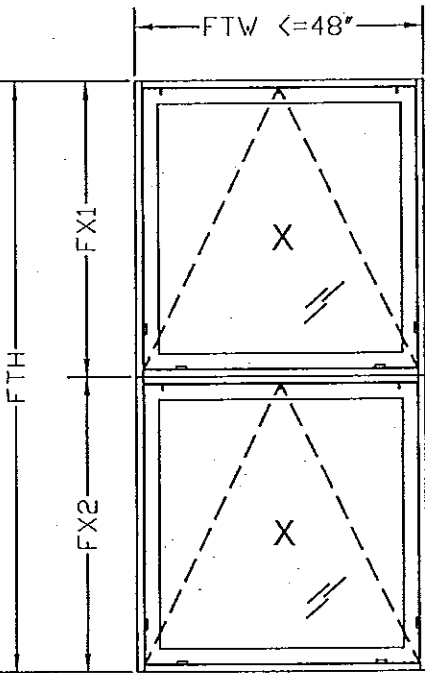
TABLE 3
DESIGNED RATING FOR COMBINATION PROJECT-OUT AND
PROJECT-OUT UNITS (PSF)

MAXIMUM FRAME DIMENSIONS			GLASS TYPE G3/G4	
FTW	FX1	FX2	EXT (+)	INT (-)
32	48.0	48.0	96.0	120.0
	54.0	54.0	108.0	78.1
	57.5	57.5	114.9	58.0
	60.0	54.9	114.9	47.3
	64.0	50.9	114.9	35.1
	68.0	46.9	114.9	26.5
	72.0	42.9	114.9	20.5
36	48.0	48.0	96.0	120.0
	51.1	51.1	102.2	95.1
	52.0	50.2	102.2	87.0
	56.0	46.2	102.2	60.5
	60.0	42.2	102.2	43.5
	64.0	38.2	102.2	32.1
	68.0	34.2	102.2	20.5
40	46.0	46.0	92.0	120.0
	48.0	44.0	92.0	120.0
	52.0	40.0	92.0	82.4
	56.0	36.0	92.0	56.9
	57.6	34.4	92.0	49.5
44	41.8	41.8	83.6	120.0
	44.0	39.6	83.6	120.0
	48.0	35.6	83.6	120.0
	52.4	31.2	83.6	76.5
48	38.3	38.3	76.6	120.0
	44.0	32.6	76.6	120.0
	48.0	28.6	76.6	120.0
52	35.4	35.4	70.7	87.2
	38.0	32.7	70.7	87.5
	40.0	30.7	70.7	88.1
	44.0	26.7	70.7	90.3
56	32.8	32.8	65.7	66.3
	36.0	29.7	65.7	66.6
	41.0	24.7	65.7	68.1
64	28.7	28.7	57.5	41.8
	36.0	21.5	57.5	42.5
72	25.5	25.5	51.1	28.5

FTW- MAXIMUM FRAME TOTAL WIDTH IN INCHES
FX1- MAXIMUM OPERABLE 1 FRAME HEIGHT IN INCHES
FX2- MAXIMUM OPERABLE 2 FRAME HEIGHT IN INCHES
FTH- MAXIMUM FRAME TOTAL HEIGHT IN INCHES
PRESSURES IN PSF



UNITS WITH FRAME WIDTH GREATER THAN 48" WILL REQUIRE:
3 SILL LOCKS AND 4 HEADER SNUBBERS
SEE SINGLE WINDOW FOR HARDWARE LOCATION



UNITS WITH FRAME WIDTH LESS OR EQUAL THAN 48" WILL REQUIRE:
2 SILL LOCKS AND 3 HEADER SNUBBERS
SEE SINGLE WINDOW FOR HARDWARE LOCATION

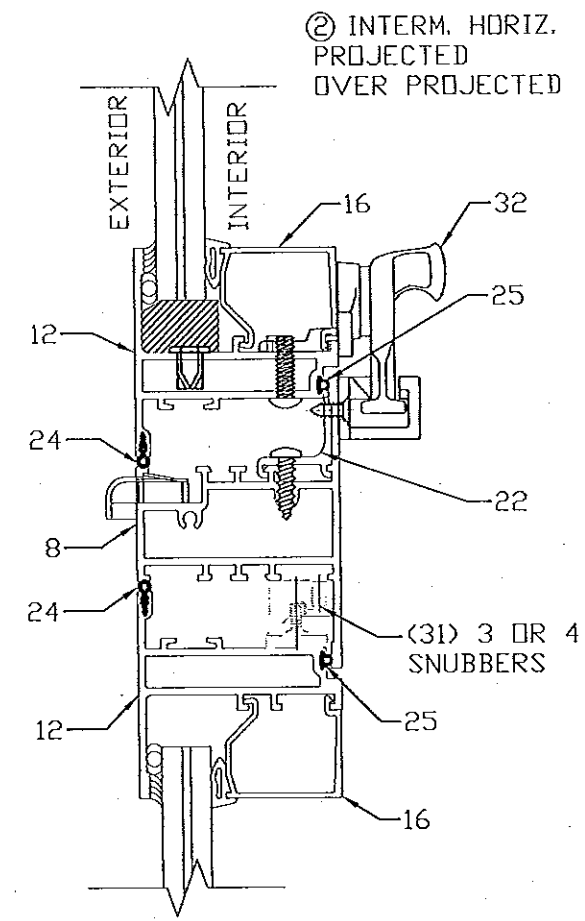
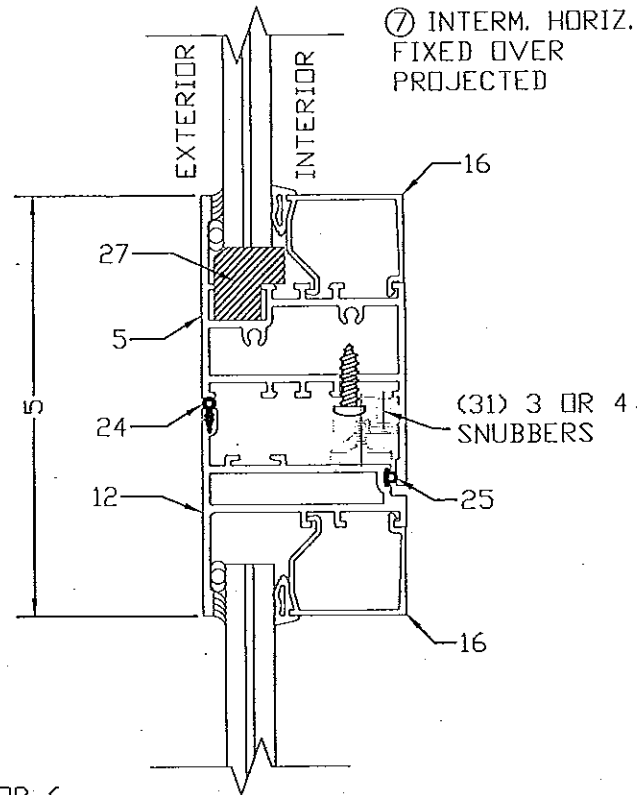
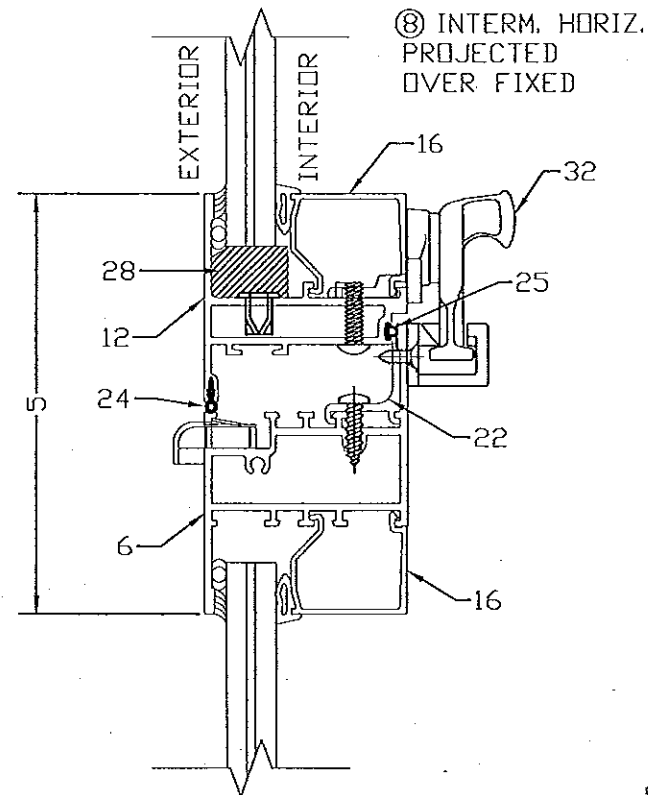
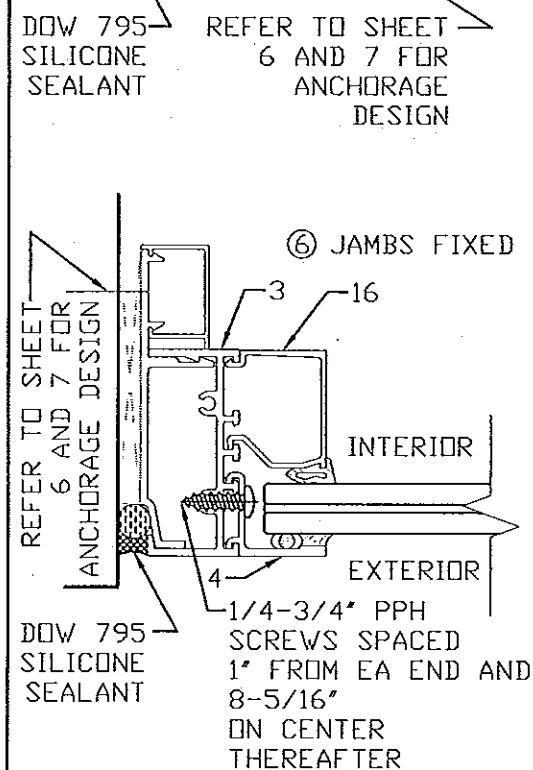
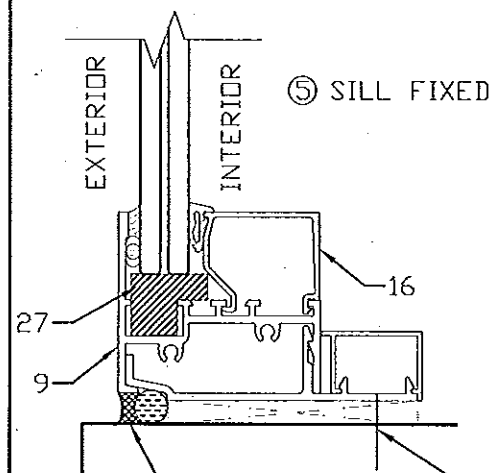
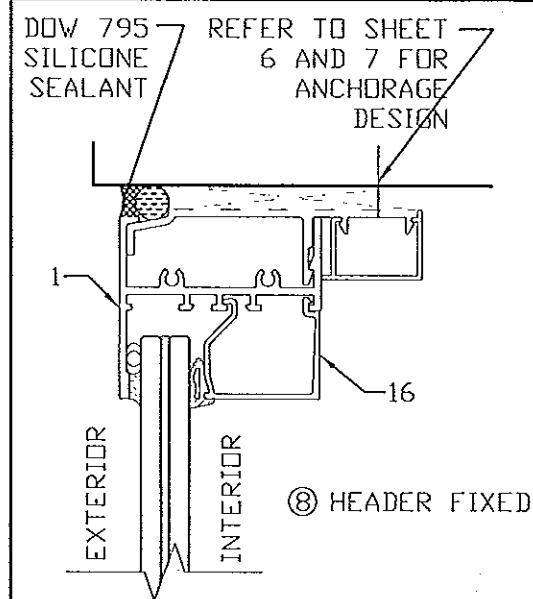
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-061906
Expiration Date Sept 2, 2014
By *Manuel*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677
Yiping Wang

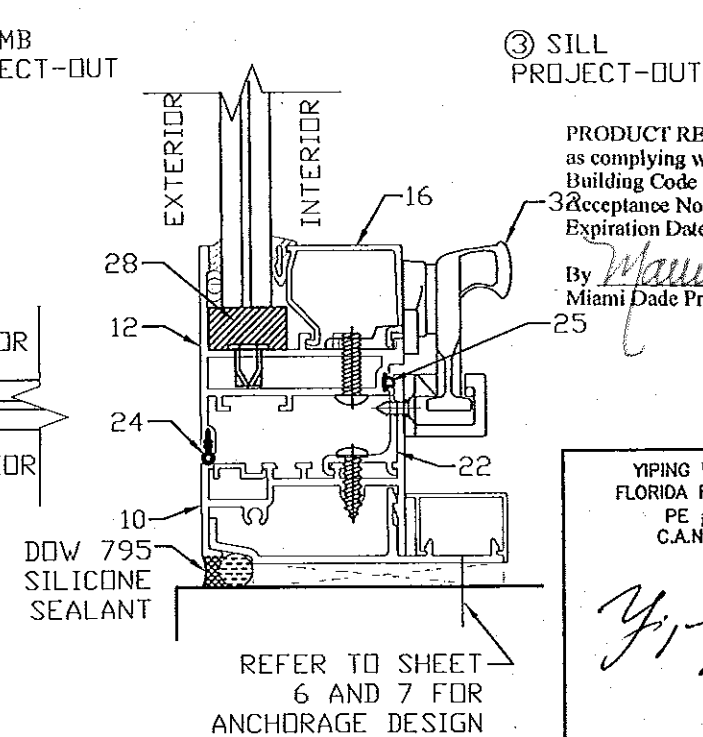
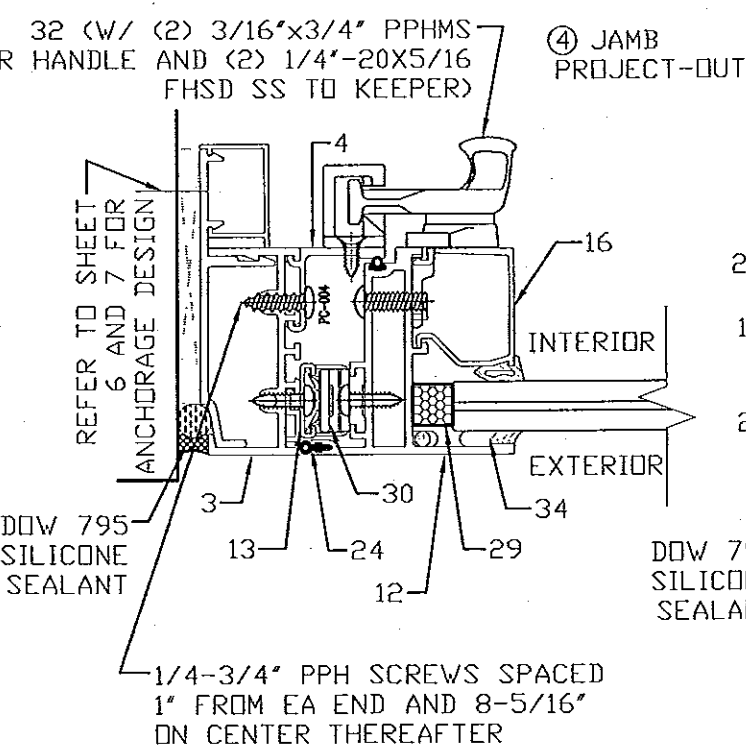
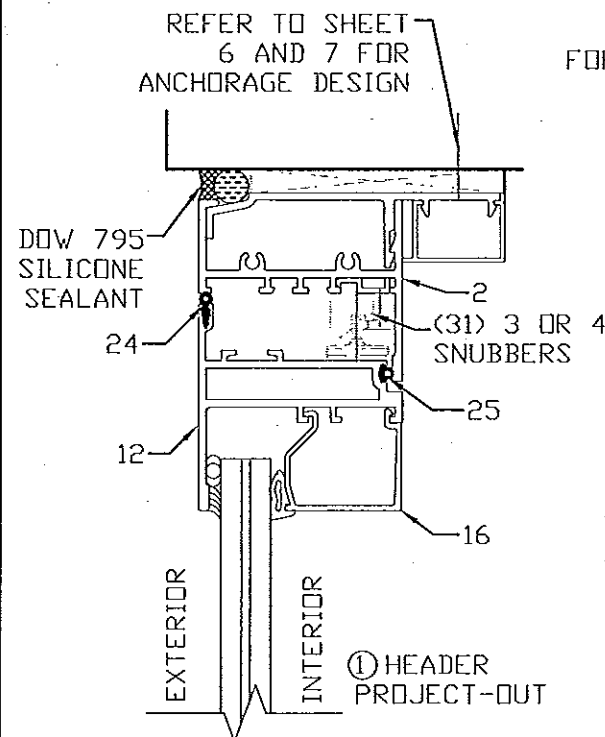
REVISIONS	
NO.	DESCRIPTION
1	06/13/12 UPDATE TO 2010 FBC

MCY ENGINEERING, INC. GLAZING CONSULTANTS 8501 SW 124 AVE. STE. 205A MIAMI, FL. 33163 P: 305.271.0117 F: 786.573.5063 www.MCYEngineering.com	
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.) NR ARCHITECTURAL PRODUCTS 4348 WESTROADS DRIVE WEST PALM BEACH, FL. 33407 P: (561) 844-1121 F: (561) 844-6131	

DATE	06-13-12
SCALE	AS NOTED
DRAWN	A.F.
PROJECT	MCY 12-047
DRAWING NO. AD12-10	
SHEET 4 of 9	



5 OR 6
22
1/4-3/4" PPH SCREWS
3/4" FROM ENDS, (2) AT 2" OC
AND THE BALANCE AT 6-5/8" OC



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0619-06
Expiration Date Sept 2, 2014
By *Manuel Perez*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677
Yip Wang

TYPICAL DETAILS

NO.	DATE	DESCRIPTION
1	08/13/12	UPDATE TO 2010 FBC

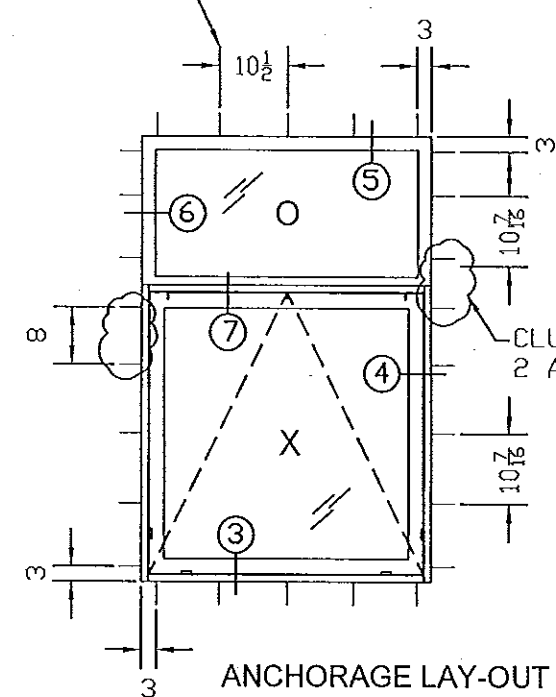
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A
MIAMI, FL 33183
P: 305.271.0117
F: 786.573.5063
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SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)
NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844-1121 F: (561) 844-6131

DATE	08-13-12
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PROJECT	MCY 12-047
DRAWING NO.	AD12-10
SHEET	5 of 9

JUN 13 2012

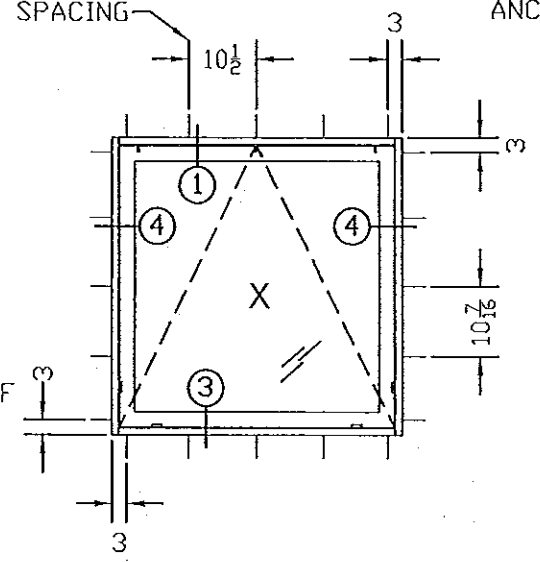
TYPICAL MAX.
ANCHOR SPACING



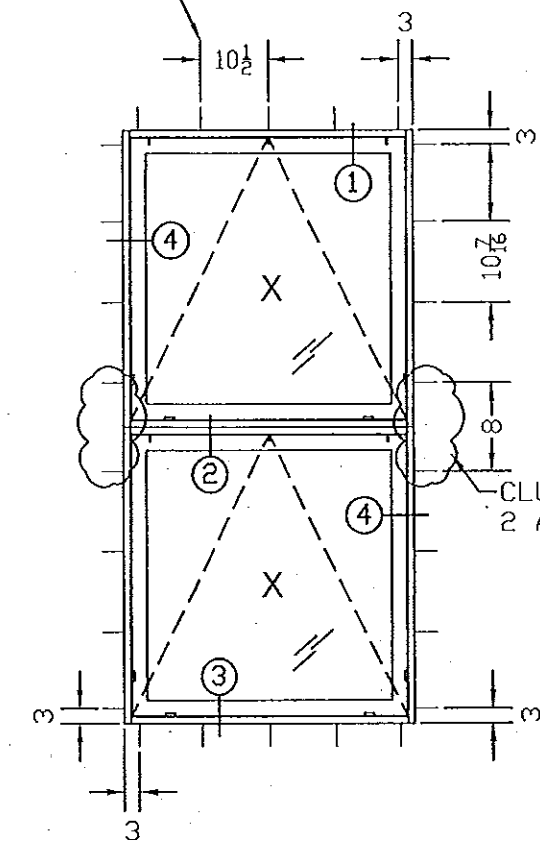
ANCHORAGE LAY-OUT WITH STRAP

TYPE	DESCRIPTION	PENETRATION	EDGE DIST.	SUBSTRATUM
A	1/4" TAPCONS	1 1/4"	2-1/2"	MASONRY OR CONCRETE
B	1/4" TAPCONS	1 1/2"	3/4"	INTO 2X BUCK (G>=0.55)
C	1/4"-14 SDS	1/8"	1/2"	6063-T6 ALUMINUM ASTM A36 STEEL

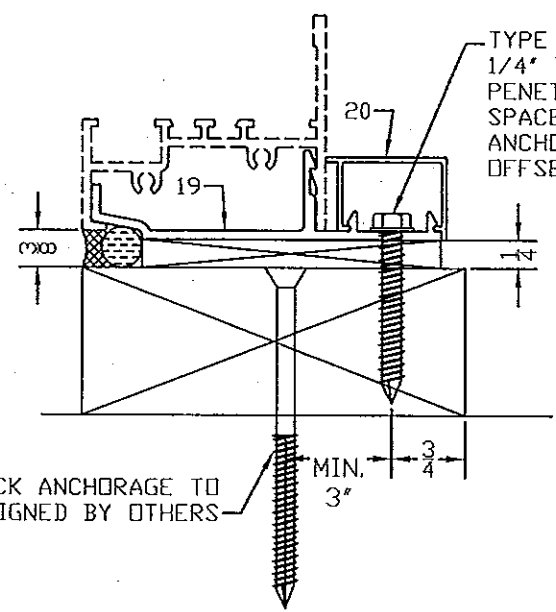
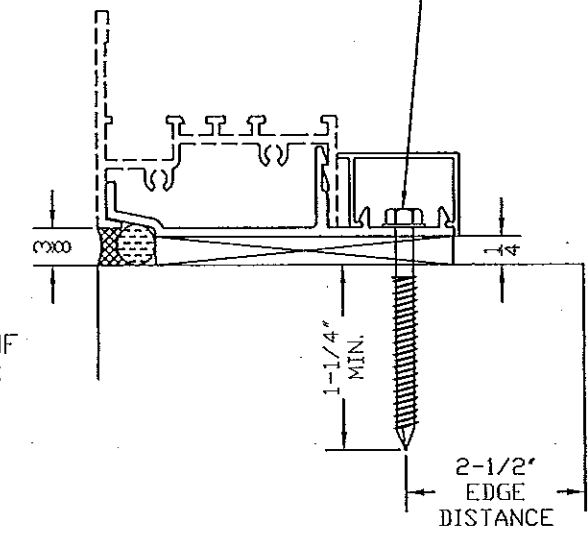
TYPICAL MAX.
ANCHOR SPACING



TYPICAL MAX.
ANCHOR SPACING

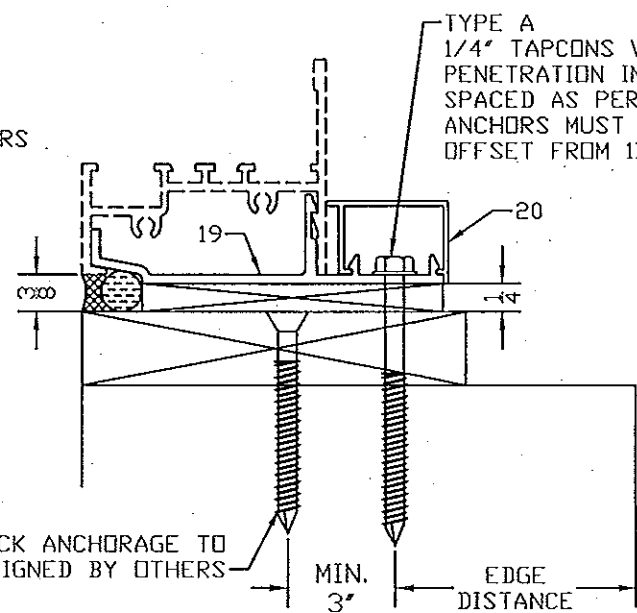


TYPE A
1/4" TAPCONS WITH 1 1/4"
PENETRATION INTO CONCRETE
SPACED AS PER ELEVATION



TYPE B
1/4" TAPCONS WITH 1 1/2"
PENETRATION INTO 2X BUCK.
SPACED AS PER ELEVATION
ANCHORS MUST BE MIN. 3"
OFFSET FROM 2X BUCK ANCHORS

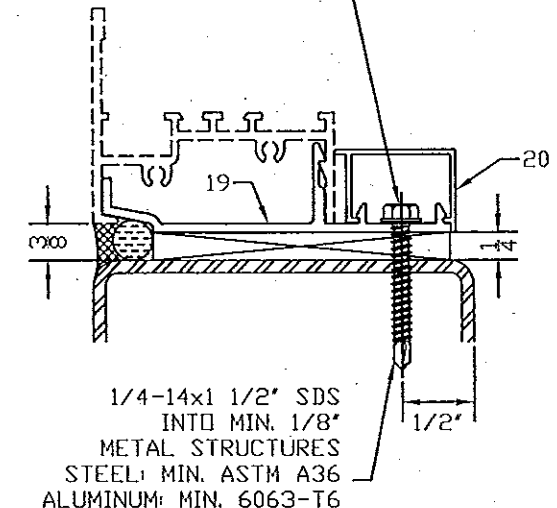
2X BUCK ANCHORAGE TO
BE DESIGNED BY OTHERS



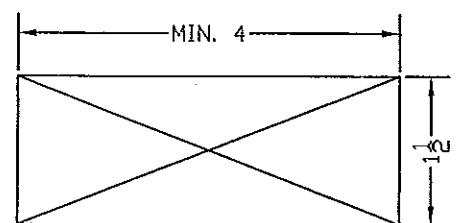
TYPE A
1/4" TAPCONS WITH 1 1/4"
PENETRATION INTO CONCRETE
SPACED AS PER ELEVATION
ANCHORS MUST BE MIN. 3"
OFFSET FROM 1X BUCK ANCHORS

1X BUCK ANCHORAGE TO
BE DESIGNED BY OTHERS

TYPE C
1/4"-14X1" GRADE 5 SDS
INTO METAL STRUCTURES
SPACED AS PER ELEVATION

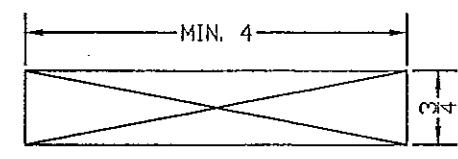


1/4"-14x1 1/2" SDS
INTO MIN. 1/8"
METAL STRUCTURES
STEEL: MIN. ASTM A36
ALUMINUM: MIN. 6063-T6



2X PRESSURE TREATED
SOUTHERN PINE G>=0.55

ALL WOOD IN CONTACT WITH
MASONRY OR CONCRETE TO BE
PROTECTED PER FBC 2326



1X PRESSURE TREATED
SOUTHERN PINE G>=0.55

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0619.06
Expiration Date Sept 2, 2014
By *Manuel Perez*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

Yi-ping Wang

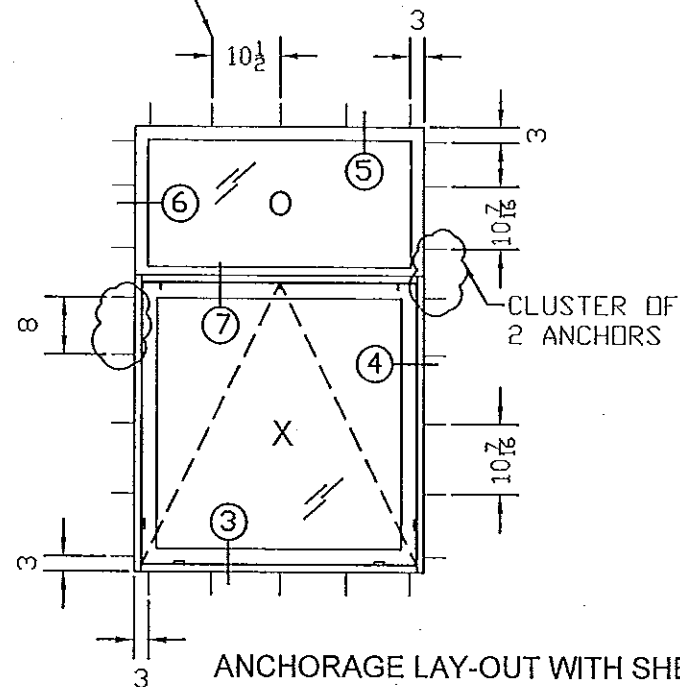
REVISIONS	
NO.	DESCRIPTION
1	06/13/12 UPDATE TO 2010 FBC

MCY ENGINEERING, INC. GLAZING CONSULTANTS 8501 SW 124 AVE. STE. 205A MIAMI, FL 33183 P: 305.271.0117 F: 786.573.5063 www.MCYEngineering.com MCY.Engineering@att.net	
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SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.) NR ARCHITECTURAL PRODUCTS 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844-1121 F: (561) 844-6131	
--	--

DATE	06-13-12
SCALE	AS NOTED
DRAWN	A.P.
PROJECT	MCY 12-047
DRAWING NO.	
AD12-10	
SHEET 6 of 9	

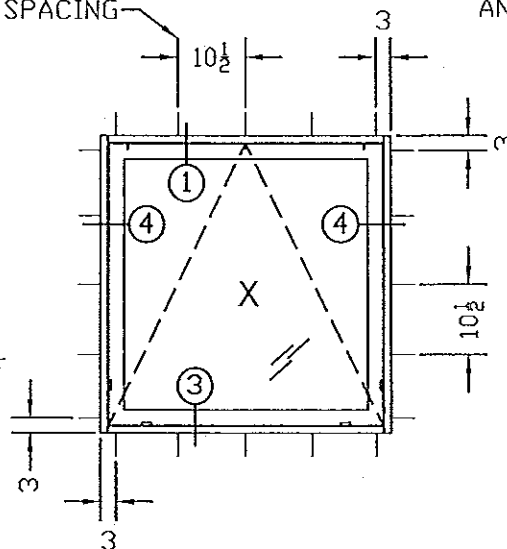
TYPICAL MAX.
ANCHOR SPACING



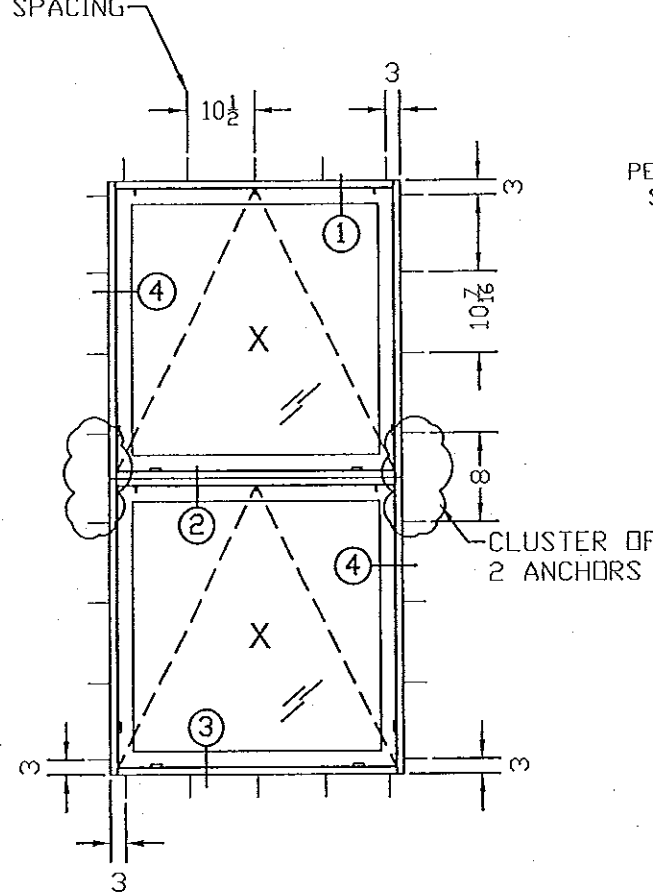
ANCHORAGE LAY-OUT WITH SHEAR CLIP

TYPE	DESCRIPTION	PENETRATION	EDGE DIST.	SUBSTRATUM
A	1/4" TAPCONS	1 1/4"	2-1/2"	MASONRY OR CONCRETE
B	1/4" TAPCONS	1 1/2"	3/4"	INTO 2X BUCK (G>=0.55)
C	1/4"-14 SDS	1/8"	1/2"	6063-T6 ALUMINUM ASTM A36 STEEL

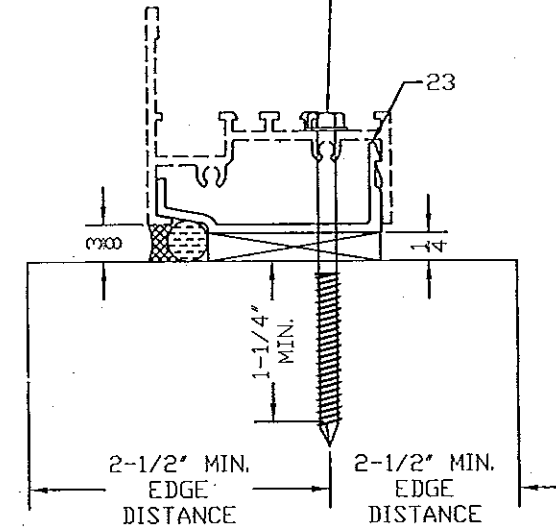
TYPICAL MAX.
ANCHOR SPACING



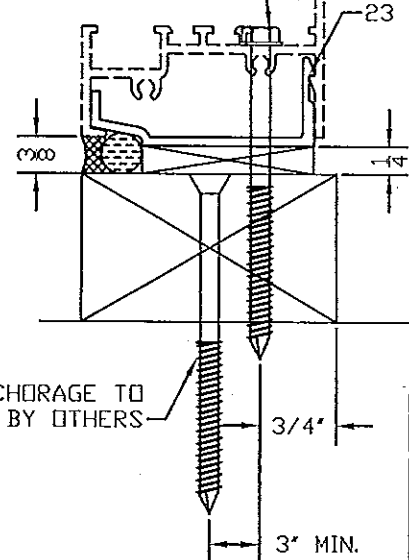
TYPICAL MAX.
ANCHOR SPACING



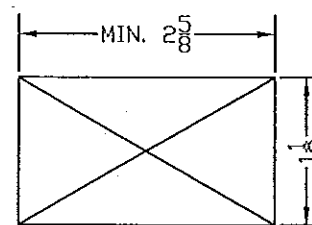
1/4" TAPCONS WITH 1 1/4"
PENETRATION INTO CONCRETE
SPACED AS PER ELEVATION



TYPE B
1/4" TAPCONS WITH 1 1/2"
PENETRATION INTO 2X BUCK
SPACED AS PER ELEVATION
ANCHORS MUST BE MIN. 3"
OFFSET FROM 2X BUCK ANCHORS



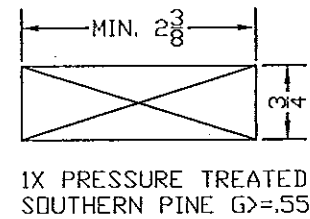
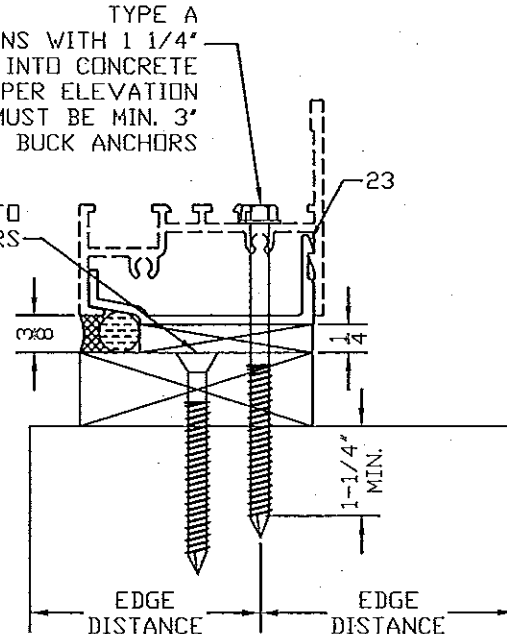
2X BUCK ANCHORAGE TO
BE DESIGNED BY OTHERS



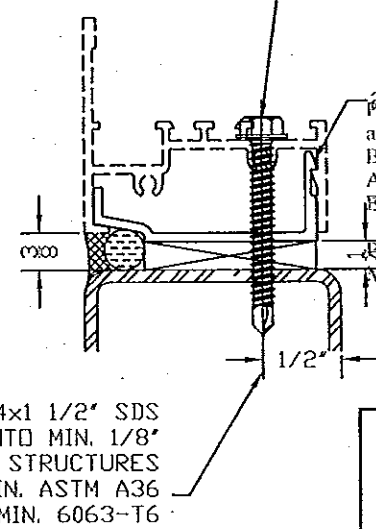
2X PRESSURE TREATED
SOUTHERN PINE G>=55

TYPE A
1/4" TAPCONS WITH 1 1/4"
PENETRATION INTO CONCRETE
SPACED AS PER ELEVATION
ANCHORS MUST BE MIN. 3"
OFFSET FROM 2X BUCK ANCHORS

1X BUCK ANCHORAGE TO
BE DESIGNED BY OTHERS



1/4"-14X2"
SELF DRILLING SCREWS
INTO METAL STRUCTURES
SPACED AS PER ELEVATION



1/4"-14x1 1/2" SDS
INTO MIN. 1/8"
METAL STRUCTURES
STEEL: MIN. ASTM A36
ALUMINUM: MIN. 6063-T6

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

Yip Wang

REVISIONS	NO.	DATE	DESCRIPTION
1	08/13/12	UPDATE TO 2010 FBC	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A
MIAMI, FL 33183
P: 305.271.0117
F: 786.573.5063
www.MCYEngineering.com
MCY.Engineering@Att.net

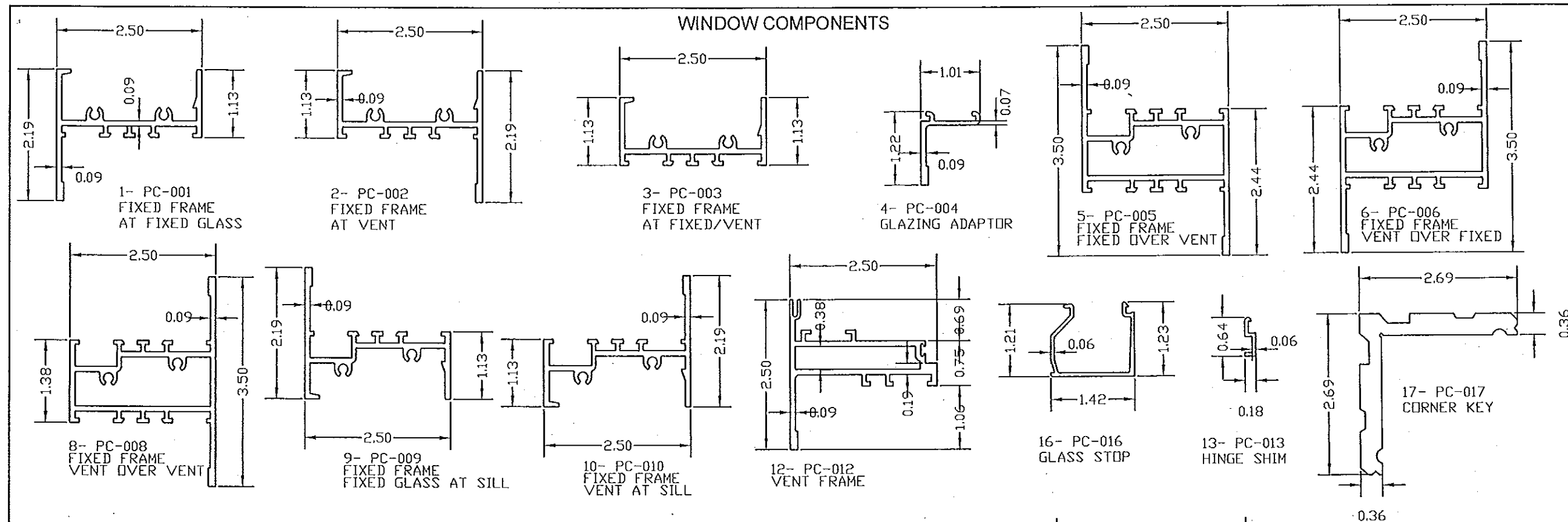
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)
NR ARCHITECTURAL PRODUCTS
4948 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844-1121 F: (561) 844-6131

DATE	06-13-12
SCALE	AS NOTED
DRAWN	A.P.
PROJECT	MCY 12-047

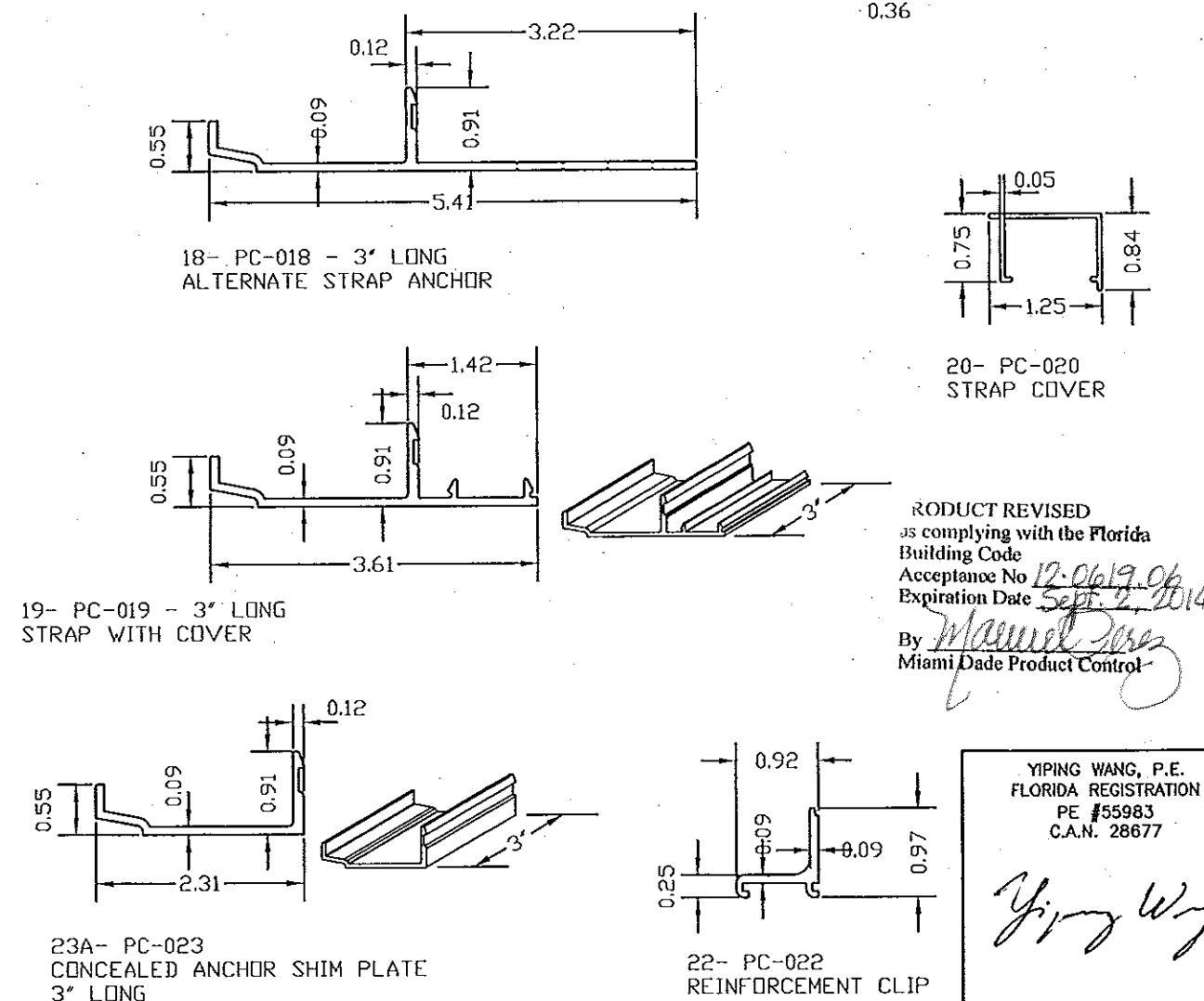
DRAWING NO.
AD12-10

SHEET 7 of 9

JUN 13 2012



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	PC-001	1	FIXED FRAME AT FIXED GLASS	ALUM	-
2	PC-002	1	FIXED FRAME AT VENT	ALUM	-
3	PC-003	1	FIXED FRAME AT FIXED/VENT	ALUM	-
4	PC-004	2/ PANEL	GLAZING ADAPTOR	ALUM	-
5	PC-005	2/ PANEL	FIXED FRAME OVER FIXED VENT	ALUM	-
6	PC-006	AS REQD.	FIXED FRAME VENT OVER FIXED	ALUM	-
8	PC-008	AS REQD.	FIXED FRAME VENT OVER VENT	ALUM	-
9	PC-009	AS REQD.	FIXED FRAME FIXED GLASS AT SILL	ALUM	-
10	PC-010	AS REQD.	FIXED FRAME VENT AT SILL	ALUM	-
12	PC-012	AS REQD.	VENT FRAME PROJECTED	ALUM	-
13	PC-013	1 / PANEL	HINGE SHIM	ALUM	-
16	PC-016	AS REQD.	GLASS STOP	ALUM	-
17	PC-017	4 PER VENT	CORNER KEY	ALUM	-
18	PC-018	AS REQD.	STRAP ANCHOR	ALUM	-
19	PC-019	AS REQD.	STRAP ANCHOR (CONCEALED)	ALUM	-
20	PC-020	AS REQD.	STRAP COVER	ALUM	-
22	PC-022	AS REQD.	REINFORCEMENT CLIP	ALUM	-
23A	PC-023	AS REQD.	CONCEALED ANCHOR SHIM PLATE	ALUM	-
23	NR-G20	AS REQD.	INTERNAL POLY-WEDGE GASKET PS1126E	70 DURO EPDM	TREMCO
24	NR-G21	AS REQD.	EXTERNAL WEATHERSEAL AP150	EXTRUDED TPE	SCHLEAGAL
25	NR-G22	AS REQD.	INTERNAL WEATHERSEAL TLOCK 150	POLYETHELENE	SCHLEAGAL
26	NR-G23	-	WEEP VALVES VL 1026-107	SILICONE	VERNAY
27	NR-G24	-	FIXED GLASS SETTING BLOCK TR-1621E	EPDM	TREMCO
28	NR-G25	-	GLASS SETTING BLOCK TR-1365E	70 DURO EPDM	TREMCO
29	NR-G26	-	FIXED GLASS SETTING BLOCK TR-0214E	70 DURO EPDM	TREMCO
30	NR-A20	-	20" 4-BAR INLINE HINGE S-2000 220	ALUM	ADVANTAGE MFG. CORP
31	NR-A21	-	SHUBBER 616-625/062	SS	ADVANTAGE MFG. CORP
32	NR-A22	-	CAMLOCK 4004/420	BRONZE	BRONZE CRAFT
33	NR-A23	-	WEEP SLOT COVER	PLASTIC	NR ARCHITECTURAL PRODUCTS
34	NR-A24	-	PVC SPACER VK2526	PVC	CAPITAL TAPE
35	NR-F12	-	BASE FRAME FIXING SCREW	SS	#12 X 3/4" PPH TS
36	NR-F13	-	ADAPTOR FIXING SCREW	SS	#12 X 3/4" PPH TS



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0619-06
Expiration Date Sept 2, 2014
By *Manuel Perez*
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

Yiping Wang

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NR ARCHITECTURAL PRODUCTS
SERIES NRAP 2500-PO PROJECTED WINDOWS (S.M.I.)

4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844-1121 F: (561) 844-6131

DATE	06-13-12
SCALE	AS NOTED
DRAWN	A.F.
PROJECT	MCY 12-047

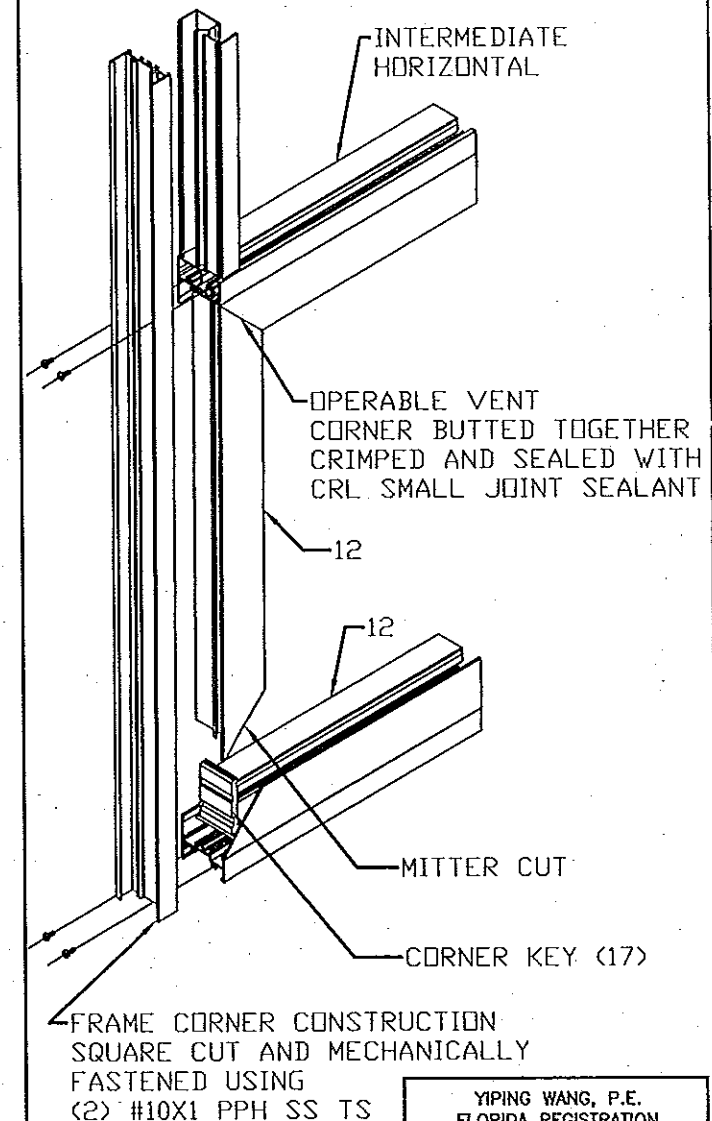
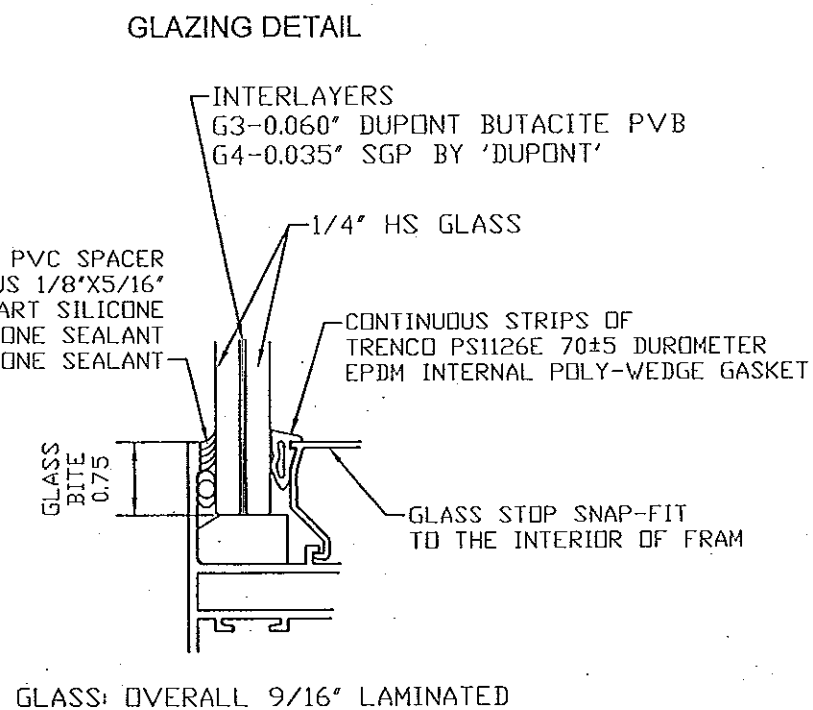
DRAWING NO.
AD12-10

SHEET 8 of 9



C- AMC 220 20" SERIES 2000 4-BAR INLINE
HINGES ATTACHED USING #10X5/8" PPH SELF
TAPPING SCREWS, FOUR PER OPERABLE VENT
AND EIGHT PER BASE FRAME.

(3) 5/16"x1-3/8" WEEP HOLES
(2) SPACED AT 4' FROM EACH END
AND (1) LOCATED AT MID SPAN
ALL WEEP HOLES UTILIZED A
INJECT MOLDED WEEP HOLE COVER
BY NR ARCHITECTURAL PRODUCTS



PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 12-0619-06
Expiration Date Sept. 2, 2014
By Manuel Perez
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
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Yipeng Wang

DRAWING NO.
AD12-10

SHEET 9 of 9

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NO.	DATE DESCRIPTION
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS



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MIAMI, FL 33183 F: 786.573.5063

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WEST PALM BEACH, FL 33407
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PROJECT	MCY 12-047

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